

DAIRY FACTS

JERSEY IS HEAVY PRODUCER

Milk Scales and Butterfat Test Determine Whether Cow is Producing Profitably or Not.

The milk scales and the butterfat test tell the story of whether a cow is producing or not. Jerseys have been making and breaking records for production with great rapidity during the past year. More cows are now being tested than ever have been in the past, and the individual and average production is higher than in other years.

In May, three years ago, a list of Jersey cows on yearly test that were



Jersey Cow of Merit.

producing over 50 pounds of butterfat per month was published for the purpose of keeping breeders informed as to the month-by-month production of cows on test. There were 132 cows in the first list. Three years later, May, 1917, saw 487 cows in the 50-pound list. This means that 487 Jersey cows on test were producing at the rate of more than 50 pounds of butterfat, or 60 pounds of butter in that month. At present 500 Jersey cows on test are producing at the rate of 600 pounds of butterfat, or 750 pounds of butter per year.

TREATMENT OF KICKING COW

Care and Patience Will Effect Cure if Right Methods Are Used—Two Ways of Tying.

Care and patience will cure the kicking cow if the proper methods are employed. One method is to pass a rope or strap with a loop in one end of it around the body of the cow and draw it tight. The cow will usually jump at first, but when she finds she cannot get out of the rope she will stand still. If this method causes the cow to give bloody milk, place the rope or strap behind the udder, and draw it tight as before.

Another method is to hobble the cow by passing the rope around each leg behind the udder, and tying just above the hocks. This method is a dangerous one, however, for the person tying the rope. After these methods have been repeated a few times the cow will stand quietly to be milked.

DAIRY IS A FIXED INDUSTRY

Where That Feeling Exists There Is Disposition to Raise Heifers or Baby Beef.

The farm dairy is becoming more of a fixed industry, and where this feeling exists there is a disposition to raise the calves—the heifers for the dairy or to be sold for dairy purposes,

and the better calves will generally be fed into some form of baby beef as the feed and circumstances suggest.

WARM WATER MUCH CHEAPER

Otherwise Cow Must Burn High-Priced Corn and Other Feeds for That Purpose.

If the cows are forced to drink cold water they must warm the water in their bodies. This requires food in the form of corn and other feeds. It is much cheaper to warm the water with wood or coal than to allow the cow to burn high priced fuel in her body for this purpose.

SHORTHORNS GOOD FOR MILK

There Are Some That Are Excellent Producers, but They Are Not of the Beef Type.

A back-to-the-lander wants to know about the Shorthorns as milk producers. There are some dairy Shorthorns that are excellent milk and butter animals. But one can no more make a dairy animal of the beef type Shorthorn than make a trotter out of a Belgium horse.

Raise More Calves.

The farmer and dairyman who expects to continue in the business will find it to his interest to raise a number of calves each year to replace older cattle that have been disposed of.

Bedding Doubly Useful.

Use sufficient straw for bedding to make the animals comfortable and to absorb the liquid excrement. Nearly half the plantfood elements in animal manure occurs in the urine.

WHEAT WILL HALT GERMAN DRIVE

FARMERS WHO MARKET WHEAT NOW ARE HELPING NATIONAL DEFENSE.

"Humanity and Patriotism Combine in Making This Appeal," Says Prescott.

"The Allies are still hungry and if you can spare a little more flour, for God's sake send it," was the plea made recently by a British officer to an American audience.

And who, having heard it, having realized the necessity for the cry from the brave nations of Europe, can help saving wheat?

There are two definite appeals to us voiced there.

The one is to patriotism and to common sense. The Allies' cause is our cause; our men are fighting shoulder to shoulder with their men. If food falls the fighters must fall; the war must be lost. None of us are too ignorant to know what a Germany victory would mean, especially to the women and children of the land. So, our love of country, our love of our homes, our every instinct of self-preservation must make us do each thing, whether great or small, towards victory.

The other appeal is that of humanity. Who can refuse to deny himself because of his greediness, his love of his own food habits, when the thought comes of the Allies suffering?

Can any one with either sense or sensibility keep on eating wheat products in the present need? Does it not seem a petty disgusting weakness to insist upon having food requiring white flour?

Let that cry sound in your ears: "If you can spare a little more flour, for God's sake send it!"

Luxuries as usual means a victorious Germany. Save and buy War Savings Stamps.

ORCHARD GLEANINGS

TO PREPARE GRAFTING WAX

Directions Given for Melting Resin, Beeswax and Beef Tallow—Make It Into Sticks.

A good grade of grafting wax may be made as follows: Resin four parts by weight, beeswax two parts by weight, beef tallow one part by weight. The ingredients should be melted together but not boiled. As soon as they are all melted stir thoroughly and pour into a tub of tepid water. Grease the hands with tallow and work the mass under water in such a way that it will cool evenly throughout. When tough remove from the water and pull like candy until it becomes a light straw color. Make into sticks about an inch in diameter, wrap in oiled paper and lay aside until wanted.

To use, simply warm by holding in the hands or by working it under tepid water. It will keep indefinitely. If the wax is lumpy it is because it was boiled or because it was cooled too quickly. Lumpy wax may be improved by heating slowly (preferably in a double boiler or glue pot) until it is completely melted and then repeat as before.

PRUNING THE FIRST WINTER

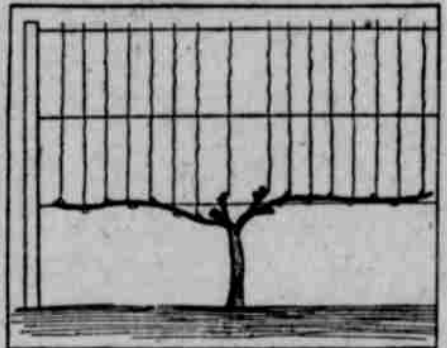
Horticulturist Must Then Shape His Vines According to Character of Plant Growth.

Pruning grapes the first winter after the vines are started is most important. It is then that the horticulturist must carefully study his vines, shaping them according to the character of the growth made by the plants. If the season has been bad, or, because of any other reason, the year's growth has been weak and short, all the wood except the biggest and strongest shoots should be taken off and the big shoot cut back to not more than three buds.

HIGH-RENEWAL SYSTEM PLAN

Trellis Consisting of Three or More Wires Is Required—Shoots Must Be Tied to Supports.

The high-renewal system of training grapevines requires a trellis consisting of three or more wires or other suitable supports carried by posts or stakes placed at convenient distances apart in the row of grapevines, the vines themselves being planted 8 or 10 feet apart in the row. The first or lowest wire upon the trellis is usually 18 or 20 inches from the ground. The next is about 18 inches higher, and the third about 2 feet still higher. The main trunk of the vine is carried to the height of the lowest wire or support. From it a cane carrying about



High-Renewal System.

eight buds is trained in either direction along the lowest wire. From each of these buds shoots develop which bear the crop of the season; but as these shoots are seldom able to care for themselves they must be tied to the upper supports of the trellis.

MAKING LAYERS OF GRAPES

Operation May Be Done by Bending Shoot Down and Burying Part in Shallow Trench.

Layers of Concord and Niagara grapes may be made of the present season's growth by bending a shoot down and burying a portion of its length in a shallow trench about one inch in depth. Cover with rich earth. The extreme end of the layered shoot should be tied to a stout stake in an erect position. By fall the layered shoot will be rooted and it may then be cut off from the parent vine. This is a good way to grow extra vines.

BURN DEAD TREES IN WINTER

Particular Attention Should Be Paid to Those Killed by Borers to Destroy Insects.

Oak or other trees that have died during the year, especially if they have been killed by borers, should be removed and burned this winter. If left till spring the insects will lay eggs in healthy trees and perhaps cause their destruction.

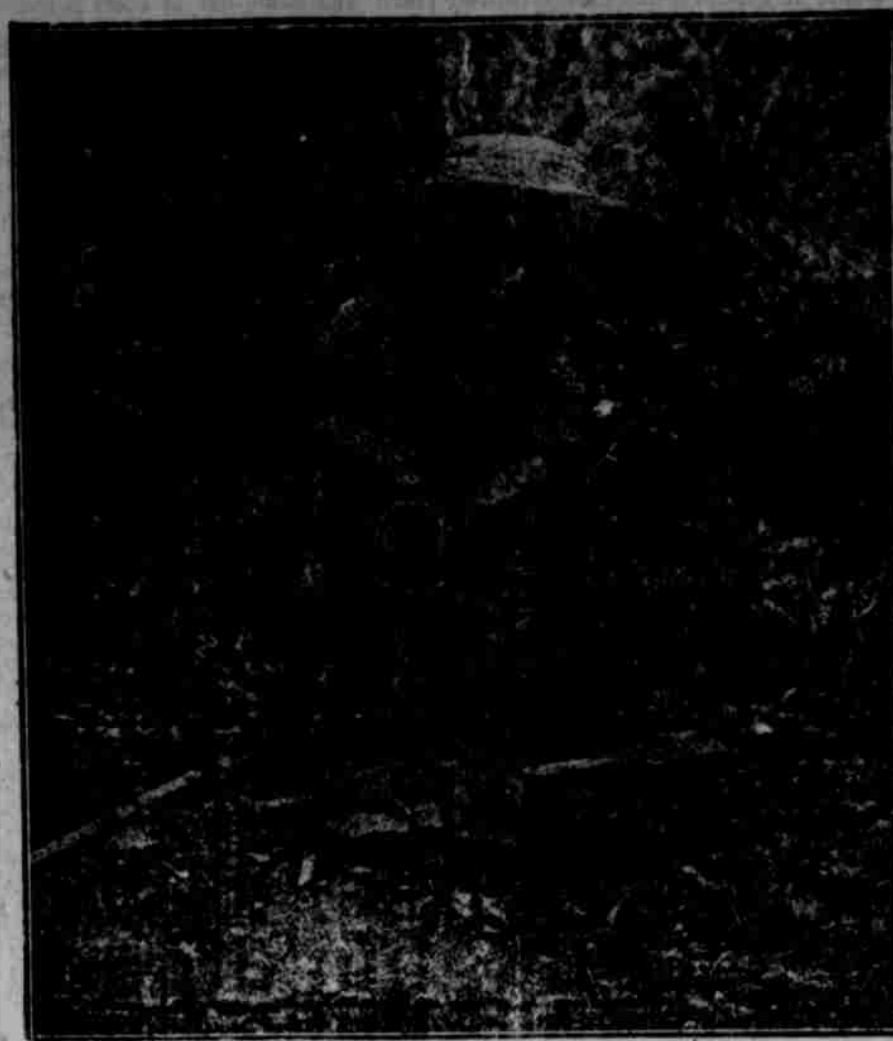
ORCHARD USED FOR PASTURE

All Right for Sheep, Calves and Poultry, but Horses and Cattle Should Be Kept Out.

Cattle and horses should not be allowed to graze in the orchard, as they not only tramp the sod hard, but will eat the tender shoots of the trees. The orchard may be used as a pasture for sheep, calves and poultry, but not for horses or cattle.

A war savor is a life-saver.

HELPING HOOVER



"From National Geographic Magazine, Washington, D. C.—copyright 1918—Photograph by H. P. Blanchard. Permission to use granted the United States Food Administration for Michigan by National Geographic Society, Washington, D. C."

Anniversary of the Battle Cruiser Yosemite in Spanish-American War

On Friday, June 28, will be observed in numerous Michigan homes the anniversary of an event which looms large in the memories of many people in the state. The day marks the passage of twenty years since that twenty-eighth of June, 1898, when the nine officers and 260 men of Michigan's Naval Militia marked the climax of their service in the United States navy by destroying the "Antonio Lopez," a steamer from Europe for the aid and comfort of the Spanish armies in Cuba and Porto Rico.

The history of this important episode of the Spanish-American war is contained in the book, "The Log Of The Yosemite," written by Truman H. Newberry. Newberry was then a lieutenant on the cruiser Yosemite, engaged

ken from the report of Commander W. H. Emory, who was in charge of the Yosemite during the fight, as it appears in the book:

"I have the honor to report that about 5:30 o'clock on the morning of Tuesday, June 28, we sighted a steamer to the westward, about two miles distant. . . . The Yosemite was headed for the stranger. . . . Seeing our intention, the steamer was instantly headed for the shore and beached on the reef, six miles to the westward of Morro Castle. . . . The Yosemite remained in the vicinity of this position for some time, during which shell and shrapnel were discharged at the Spaniard. When it was deemed that the steamer was sufficiently disabled the Yosemite steamed for a Spanish cruiser and gunboat which had come to the relief of the beached steamer. During this period, I was much surprised to find that the guns of Morro and the water battery below it had the exact range of the Yosemite's position and were effective at that distance. . . . Many projectiles of large calibre passed over the Yosemite. . . . and although the enemy made excellent line shots, some very near to the ship, she was not struck once. . . . Our fire seemed to be very effective and made the Spaniard join her consort, the gunboat, in seeking shelter under the guns of Morro. . . . The spirit and behavior of the officers and crew was in every way highly commendable."

With Commander Newberry and many others of the old crew of the "Yosemite" again serving their country, there will be no official celebration of the anniversary this year. However, all of the survivors of the battle of twenty years ago and their families will live the stirring day over again in memory.



DRAWING BY TOM MAY FROM ORIGINAL PHOTOGRAPH.

Spanish Steamer "Antonio Lopez" Driven Ashore by Guns of "Yosemite," Truman H. Newberry, Lieutenant, in Spanish-American War.

In blockade service off the port of San Juan de Porto Rico. Since then, and mainly because of the splendid showing he made in this service, he has served as secretary of the navy under President Roosevelt and is now a commander of the Third Naval District and candidate for the United States senate. The following excerpts are taken

REFORMATORY TO END ALL PRISON WORK CONTRACTS

CHANGE WILL GIVE PRISONERS' FAMILIES MORE MONEY—INSTITUTION ALMOST SELF-SUPPORTING

Michigan's last prison contract, held by an Ionia furniture company will be completed July 19. With its passing will go one of the chief characteristics of the old school of prisons, and the reformatory at Ionia will take its place alongside the state prison at Jackson as a progressive institution, almost if not entirely self-supporting.

Under the prison contract system corporations were given the labor of the inmates for a fraction of what it would command in the open market, the inmates themselves, as well as the state, suffering from the resultant lack of income. Instead of contract work for private corporations the inmates will in the future be employed on state account work, farming and road construction.

Instead of 50 cent day labor the state is already receiving wages aggregating in some cases \$1.50 per day. The men also receive increased wages. The state reformatory is especially favored in lands, as additional acreage was purchased last year, and the war gardens now filled by the inmates total 310 acres. One hundred and fifty acres will be devoted to hay, 40 to oats, 40 to potatoes, 30 to corn, 30 to beans and 20 to sugar beets.

Again the call to colors goes out. This call is heard in every nook and corner of town, city and country. It will be answered. Every state will fill its quota no matter how big or how often the call comes. America is gradually awakening to the stern fact that war is on and war is hell. In the year to come the young man without an honorable war record will be a sorry sight. It is fashionable now to get into the game. The war

must be won. It will cost ten times as much to lose it as to win it. Old Glory has always won in every war in which it was carried. Defeat must not come now. Have no patience with anybody who tries to shoot or poison our soldiers from the rear. The home folks must be loyal. Strong medicine is needed for those who are not. Mr. Loafer, get to work. Get a hoe, spade, rake, plow or any other weapon with which you can help lick the kaiser. You will not be popular wearing out the seat of your pants in 1918. If you have retired from hard work show that your heart is in the game by going into the great army of occupation right here. Do it now.—Ex.

LOWELL IS PLACED ON THE BLACK LIST BY AUTOISTS

It is claimed by a number of automobile drivers and motor truck drivers using the Grand Rapids road that an organized effort to plunder drivers of motor vehicles exists among officials of the town of Lowell. Drivers have been taken before the court on charges of fast driving and violators of road laws, when such charges could not be sustained.

The result of the campaign against automobilists in Lowell, however, has netted a fine little meal ticket for some of the "officials," it is claimed. Some of these officials got away with their charges through intimidation or because drivers would rather pay tribute than be held up and put to the expense of fighting the charges in a court which they think might be biased.

Drivers in automobiles drive a ways in this city have combined to leave no money with Lowell merchants nor hotels. Since the treatment accorded the automobile tourists in the town of Lowell is anything but courteous and neighborly, the old town seems due to go into the black list. One local manufacturing concern whose agent has been "held up" in Lowell, will fight the case and take the matter to the governor if necessary. Preparations to scrap it out with Lowell's official highwaymen began on Monday.—Lansing Journal.

You may not be able to fight, but you can save and buy War Savings Stamps.

Baked Goods

Get your bread and baked goods at the place where quality and cleanliness count just as much now as before the war.

THE CITY BAKERY

Think of Henry Smith Grand Rapids, Mich.

When you want flowers for any purpose

Largest and best equipped floral establishment in Western Michigan

Store on corner of Monroe and Division Ave.

Store Phones—
Bell, 173
Citizens, 5178

Farm Phones—
Bell, 651
Citizens, 6251

Fertilizer on your Corn and Beans will give you a better yield and help your crop to mature before the fall frosts.

We have a limited supply on hand which we will sell, while it lasts, at \$29.00 per ton.

We have Beech and Maple wood, and a few tons of soft coal that are not sold.

E. CHAPPLE CO.

Real Estate News



Get Our Prices on Farms

120 ACRES in Orleans township, on State reward road, excellent clay loam soil, modern dairy or stock barn, sanitary in every detail, water in barn, large silo attached, modern 6 room semi-bungalow, moist air heat, 8 room house with running water and furnace. One of the best farms in Ionia county.

24 ACRES with fruit inside limits of Belding.

10 ACRES with good house and barn and out buildings near Chadwick, soil clay loam, seeded to timothy and clover, stock and tools go with place.

80 ACRES. A bargain near Kent City, living water, 6 room house, new hip roof barn, 170 bearing apple trees, clover meadow.

35 ACRES at Wood's Corners, on Ionia road, new house, small barn will sell at an attractive price.

50 ACRES within limits of Greenville, 6 room cottage, out building, fruit. Can take city property in part.

30 ACRES 2 1-2 miles from Belding, clay loam soil, good house and small barn; must sell to close an estate.

160 ACRES at Smyrna, good building with running water, good soil, excellent location.

80 ACRES excellent farming and pasture land near Orleans village, good windmill and well, no buildings.

If you are looking for a house in Belding at about one-half cost of construction, see us.

W. E. LITTLE

MANAGER REAL ESTATE DEPARTMENT.

Phone 70 : Commercial Bank : Res. 301

Pere Marquette train time at Belding

Corrected March 1, 1918

To Ionia and Detroit, 11:42 a. m. p. m.
To Greenville and Big Rapids, 4:35 p. m.
To Greenville and Saginaw, 7:56 a. m.; 2:00 p. m., and 7:00 p. m.
To Lowell and Grand Rapids, 10:37 a. m. Daily.

NEWBERRY for United States Senator

The Man Who Does Things



Truman H. Newberry

Commander Newberry is now serving in the Third Naval District. He is going to continue to stay by his work and to do all he can to help win the war. His friends are actively presenting his qualifications to the people of Michigan as a man who would make a splendid United States Senator. Men of all walks of life are behind the movement because Truman Newberry would be a Senator who would stand squarely for right, for justice and for equality.

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(Political Advertisement)